

Table 8.1 Nuclear Energy Overview

	Total Operable Units ^{a,b}	Net Summer Capacity of Operable Units ^{b,c}	Nuclear Electricity Net Generation	Nuclear Share of Electricity Net Generation	Capacity Factor ^d
	Number	Million Kilowatts	Million Kilowatthours	Percent	
1973 Total	42	22.683	83,479	4.5	53.5
1975 Total	57	37.267	172,505	9.0	55.9
1980 Total	71	51.810	251,116	11.0	56.3
1985 Total	96	79.397	383,691	15.5	58.0
1990 Total	112	99.624	576,862	19.0	66.0
1995 Total	109	99.515	673,402	20.1	77.4
1996 Total	109	100.784	674,729	19.6	76.2
1997 Total	107	99.716	628,644	18.0	71.1
1998 Total	104	97.070	673,702	18.6	78.2
1999 Total	104	97.411	728,254	19.7	85.3
2000 Total	104	97.860	753,893	19.8	88.1
2001 Total	104	98.159	768,826	20.6	89.4
2002 Total	104	98.657	780,064	20.2	90.3
2003 Total	104	99.209	763,733	19.7	87.9
2004 Total	104	99.628	788,528	19.9	90.1
2005 Total	104	99.988	781,986	19.3	89.3
2006 Total	104	100.334	787,219	19.4	89.6
2007 Total	104	100.266	806,425	19.4	91.8
2008 Total	104	100.755	806,208	19.6	91.1
2009 January	104	101.004	74,102	20.9	98.6
February	104	101.004	64,227	21.3	94.6
March	104	101.004	67,241	21.6	89.5
April	104	101.004	59,408	20.5	81.7
May	104	101.004	65,395	21.0	87.0
June	104	101.004	69,735	20.1	95.9
July	104	101.004	72,949	19.6	97.1
August	104	101.004	72,245	19.0	96.1
September	104	101.004	65,752	20.1	90.4
October	104	101.004	58,021	18.9	77.2
November	104	101.004	59,069	19.9	81.2
December	104	101.004	70,710	20.2	94.1
Total	104	101.004	798,855	20.2	90.3
2010 January	104	101.004	72,569	20.1	96.6
February	104	101.004	65,245	20.5	96.1
March	104	101.004	64,635	20.7	86.0
April	104	101.004	57,611	20.1	79.2
May	104	101.004	66,658	20.3	88.7
June	104	101.004	68,301	18.2	93.9
July	104	101.004	71,913	17.5	95.7
August	104	101.004	71,574	17.5	95.2
September	104	101.004	69,371	20.1	95.4
October	104	101.004	62,751	20.4	83.5
November	104	101.004	62,655	20.5	86.2
December	104	101.004	73,683	20.4	98.1
Total	104	101.004	806,968	19.6	91.2
2011 January	104	101.004	72,743	20.0	96.8
February	104	101.004	64,789	20.7	95.5
March	104	101.004	65,662	20.7	87.4
April	104	101.004	54,547	18.1	75.0
4-Month Total	104	101.004	257,741	19.9	119.5
2010 4-Month Total	104	101.004	260,061	20.3	89.4
2009 4-Month Total	104	101.004	264,979	21.1	91.1

^a Total of nuclear generating units holding full-power licenses, or equivalent permission to operate, at end of period. See Note 1, "Operable Nuclear Reactors," at end of section. For additional information on nuclear generating units, see *Annual Energy Review 2009*, August 2010, Table 9.1, <http://www.eia.gov/aer/nuclear.html>.

^b At end of period.

^c For the definition of "Net Summer Capacity," see Note 2, "Nuclear Capacity," at end of section.

^d For an explanation of the method of calculating the capacity factor, see Note

2, "Nuclear Capacity," at end of section.

Notes: • For a discussion of nuclear reactor unit coverage, see Note 1, "Operable Nuclear Reactors," at end of section. • Nuclear electricity net generation totals may not equal sum of components due to independent rounding. • Geographic coverage is the 50 States and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#nuclear> for all available data beginning in 1973.

Sources: See end of section.